

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2017 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0007

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2017 Levee Inspection Results

Sutter Maintenance Yard Maintenance Area 0007

Waterway			Bank	Unit Miles
Unit No. 01 Feather River			Right	11.90
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/23/2017 - 3/23/2017			
DWR Inspector	Sterling York			
Accompanied By	Shawn Freitag Sutter Maintenance Yard			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start		Rating **	A	Issue No.	1
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals				
DWR ID	DWR_MA0007_01_s _ 2013_1				
Comment Code					
Inspector Comment					
There will be new O&M manuals when the levee is turned back over to the LMA after construction is complete. The O&M manuals are located at the Sutter Maintenance Yard.					

No Photos

LM Start		Rating **	A	Issue No.	3
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment				
DWR ID	DWR_MA0007_01_s _ 2013_3				
Comment Code					
Inspector Comment					
Emergency supplies and equipment are stored at the Sutter Maintenance Yard.					

No Photos

LM Start		Rating **	A	Issue No.	4
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training				
DWR ID	DWR_MA0007_01_s _ 2013_4				
Comment Code					
Inspector Comment					
Sutter Maintenance Yard employees attend the annual Flood Fight class put on by DWR inspector Bob Duffy.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	0.01	Rating **	A/W	Issue No.	44
LM End	11.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.311020 °	39.439702 °
				-121.637668 °	-121.641659 °
DWR ID	DWR_MA0007_01_s_2017_44				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Controlled annual vegetation.					

Photo 1 of 1 : SP_2017_MA0007_200_44_20170327_00129.jpg



View of well maintained vegetation, water side looking upstream. Spring 2017.

LM Start	0.01	Rating **	A/W	Issue No.	43
LM End	11.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.311020 °	39.439702 °
				-121.637668 °	-121.641573 °
DWR ID	DWR_MA0007_01_s_2017_43				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Controlled annual vegetation.					

Photo 1 of 1 : SP_2017_MA0007_200_43_20170327_00130.jpg



View of well maintained vegetation, land side looking upstream. Spring 2017.

LM Start	0.01	Rating **	M	Issue No.	66
LM End	1.73	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.311103 °	39.334487 °
				-121.637605 °	-121.634109 °
DWR ID	DWR_MA0007_01_s_2016_66				
Comment Code					
DT : Ditch					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	0.03	Rating **	U	Issue No.	42
LM End	1.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.311297 °	39.334365 °
				-121.637490 °	-121.633975 °
DWR ID	DWR_MA0007_01_s_2012_42				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion along landward levee slope due to agricultural ditch.					

LM Start	0.03	Rating **	U	Issue No.	42 (cont)
LM End	1.72	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : SP_2017_MA0007_200_42_20170327_00118.jpg



View of erosion in spring of 2017. This is continuing to get worse.

Photo 2 of 2 : SP_2017_MA0007_200_42_20170316_00004.jpg



This photo was taken from the levee crown facing north looking at the erosion along the landward levee slope due to an agricultural ditch. Spring 2014.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	0.12	Rating **	A	Issue No.	41
LM End	1.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.312567 °	39.324458 °
				-121.636964 °	-121.631803 °
DWR ID	DWR_MA0007_01_s_2017_41				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
View of controlled vegetation.					

Photo 1 of 1 : SP_2017_MA0007_200_41_20170327_00117.jpg



View of controlled vegetation looking upstream on the water side. Spring 2017.

LM Start	0.31	Rating **	N	Issue No.	69
LM End	0.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.314991 °	39.315693 °
				-121.635038 °	-121.634459 °
DWR ID	DWR_MA0007_01_s_2016_69				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Several tree stumps at levee toe.					

Photo 1 of 1 : SP_2017_MA0007_200_69_20170316_00016.jpg



View looking downstream of several tree stumps at the levee toe on the waterside.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	0.44	Rating **	U	Issue No.	72
LM End	0.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.316527 °	39.316527 °
				-121.633800 °	-121.633800 °
DWR ID	DWR_MA0007_01_f_2016_72				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
The decomposing stump is next to the canal on the landside and needs to be removed.					

Photo 1 of 1 : SP_2017_MA0007_200_72_20170316_00018.jpg



View of a stump on the landside slope looking downstream. This stump is next to the canal on the landside and is decomposing and needs to be removed.

LM Start	0.47	Rating **	M	Issue No.	48
LM End	0.47	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.316950 °	39.316950 °
				-121.633438 °	-121.633438 °
DWR ID	DWR_MA0007_01_s_2015_48				
Comment Code					
TA : Tank					
Inspector Comment					

Photo 1 of 1 : SP_2017_MA0007_200_48_20170316_00008.jpg



This view of the tanks was taken looking at the waterside of the levee facing upstream.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	0.56	Rating **	U	Issue No.	68
LM End	0.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.317974 °	39.317974 °
				-121.632542 °	-121.632542 °
DWR ID	DWR_MA0007_01_s_2016_68				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Eroding slope due to irrigation ditch on landside slope, looking downstream.					

Photo 1 of 2 : SP_2017_MA0007_200_68_20170327_00119.jpg



Inspection Spring 2017, erosion continues to get worse.

LM Start	0.56	Rating **	U	Issue No.	68 (cont)
LM End	0.56	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2017_MA0007_200_68_20170316_00015.jpg



View of eroding slope due to irrigation ditch on landside slope, looking downstream. Fall 2016.

LM Start	0.92	Rating **	A/W	Issue No.	67
LM End	0.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.323118 °	39.323118 °
				-121.632205 °	-121.632205 °
DWR ID	DWR_MA0007_01_s_2016_67				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP_2017_MA0007_200_67_20170316_00014.jpg



View of landside toe vegetation looking downstream.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	1.00	Rating **	M	Issue No.	71
LM End	1.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.324172 °	39.325938 °
				-121.631792 °	-121.631853 °
DWR ID	DWR_MA0007_01_f_2016_71				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Waterside annual grasses that need to be maintained.					

Photo 1 of 1 : SP_2017_MA0007_200_71_20170316_00017.jpg



View of waterside annual grasses that need to be maintained. Looking downstream.

LM Start	1.21	Rating **	U	Issue No.	33
LM End	1.21	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.327187 °	39.327187 °
				-121.632395 °	-121.632395 °
DWR ID	DWR_MA0007_01_s_2012_33				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2017_MA0007_200_33_20170316_00001.jpg



Levee mile 1.21. This is a photo of the building on the waterside slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	1.55	Rating **	M	Issue No.	73
LM End	1.55	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.331934 °	39.331934 °
				-121.633246 °	-121.633246 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47833 DS_ID:16928 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction.6/10/2015 Same as last inspection.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Same as last inspection.5/13/2013 SBFCA project recommends replacing in accordance with title 23.5/10/2013 Same as last inspection. LS scour behind structure needs to be repaired.10/31/2012 crossing appears abandoned, slide gate is mising on landward side; wood frame remains on LS; scour hole present on LS, 3 feet by 3 feet, near wood frame. FIELD_STRUCT_DESC: *ABANDONED* 12-inch corrugated metal drainage pipe through the levee, 8.2 feet below the crown. Slide gate on the landside (LS) is no longer present. Concrete "U" headwall at the waterside (WS) toe. Irrigation ditch located on the LS. [Additional Reference(s): DWR Levee Log, 2005] FS Date: 5/16/2016 10:21:28 AM					

LM Start	1.55	Rating **	M	Issue No.	73 (cont)
LM End	1.55	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_47833_65802.jpg



Overview of levee crown looking upstream.

Photo 2 of 3 : UCIP_SP_2017_47833_65801.jpg



View of levee crown looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspection Report By Mile - Spring 2017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

Photo 3 of 3 : UCIP_SP_2017_47833_65800.jpg



WS view-concrete headwall located on WS toe.

No Photos

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable N : Not Inspected/Rated	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable A/W : Acceptable but Monitor & Maintain	En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	1.71	Rating **	M	Issue No.	74
LM End	1.71	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.334294 °	39.334294 °
				-121.634008 °	-121.634008 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47834 DS_ID:20816 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction.6/10/2015 Crossing has been modified since last inspection. 3' black plastic pipe is now running through the metal pipe and the difference was capped and welded. 12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Same as last inspection.5/13/2013 SBFCA project recommends removal. Permit number and owner in detailed report book.5/7/2013 Same as last inspection. Recommend finding owner.10/30/2012 Crossing was installed about 1 foot deep--need permit authorizing work FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 1 foot below the crown. Crossing on the landside (LS) is attached to weir above ground. Siphon breaker located on the waterside (WS). No opening on the WS. No permit has been identified since crossing was field discovered in 2012. FS Date: 5/16/2016 10:21:55 AM					

LM Start	1.71	Rating **	M	Issue No.	74 (cont)
LM End	1.71	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_47834_65806.jpg



Overview of levee crown looking upstream at crossing.

Photo 2 of 3 : UCIP_SP_2017_47834_65805.jpg



Exposed section of the pipe located on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	1.71	Rating **	M	Issue No.	74 (cont)	
LM End	1.71	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.334294 °		39.334294 °
				-121.634008 °		-121.634008 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:47834 DS_ID:20816 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction.6/10/2015 Crossing has been modified since last inspection. 3' black plastic pipe is now running through the metal pipe and the difference was capped and welded. 12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Same as last inspection.5/13/2013 SBFCA project recommends removal. Permit number and owner in detailed report book.5/7/2013 Same as last inspection. Recommend finding owner.10/30/2012 Crossing was installed about 1 foot deep--need permit authorizing work FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 1 foot below the crown. Crossing on the landside (LS) is attached to weir above ground. Siphon breaker located on the waterside (WS). No opening on the WS. No permit has been identified since crossing was field discovered in 2012. FS Date: 5/16/2016 10:21:55 AM						

Photo 3 of 3 : UCIP_SP_2017_47834_65804.jpg



View of levee crown looking downstream at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	1.76	Rating **	M	Issue No.	75
LM End	1.76	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.334868 °	39.334868 °	
			-121.633773 °	-121.633773 °	
DWR ID					

Comment Code

Inspector Comment

FS_ID:47836
DS_ID:16926
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction.6/10/2015 Debris still present in risers and pipes were not replaced with the SBFCA project.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Same as last inspection.5/13/2013 SBFCA project recommends replacing in accordance with title 23.5/7/2013 Same debris issue as last inspection. Recommend repairing top cover to prevent falls. Wheel to open gate chained and locked so could not verify gate operation.10/31/2012 Debris inside riser could prevent slide gate from closing. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0060 however, no issues noted. FIELD_STRUCT_DESC: 1 of 2: 60-inch drainage pipe through the levee, 12.5 feet below the crown. Slide gates in 78-inch corrugated metal pipe (CMP) wells on the waterside (WS) slope. Concrete bulkhead on both WS and landside (LS) ends. Reinforced concrete spillway an the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 1+90)]
FS Date: 5/16/2016 10:22:42 AM

LM Start	1.76	Rating **	M	Issue No.	75 (cont)
LM End	1.76	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_47836_65814.jpg



View of levee crown looking downstream.

Photo 2 of 3 : UCIP_SP_2017_47836_65813.jpg



78-inch CMP risers located on WS slope. Upstream riser (far left) missing riser cover. Reinforced concrete spillway also located on WS end.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	1.76	Rating **	M	Issue No.	75 (cont)	
LM End	1.76	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.334868 °		39.334868 °
				-121.633773 °		-121.633773 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:47836 DS_ID:16926 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction.6/10/2015 Debris still present in risers and pipes were not replaced with the SBFCA project.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Same as last inspection.5/13/2013 SBFCA project recommends replacing in accordance with title 23.5/7/2013 Same debris issue as last inspection. Recommend repairing top cover to prevent falls. Wheel to open gate chained and locked so could not verify gate operation.10/31/2012 Debris inside riser could prevent slide gate from closing. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0060 however, no issues noted. FIELD_STRUCT_DESC: 1 of 2: 60-inch drainage pipe through the levee, 12.5 feet below the crown. Slide gates in 78-inch corrugated metal pipe (CMP) wells on the waterside (WS) slope. Concrete bulkhead on both WS and landside (LS) ends. Reinforced concrete spillway an the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 1+90)] FS Date: 5/16/2016 10:22:42 AM						

Photo 3 of 3 : UCIP_SP_2017_47836_65812.jpg



View inside of CMP riser with slide gate.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	1.76	Rating **	M	Issue No.	76
LM End	1.76	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.334886 °	39.334886 °
				-121.633783 °	-121.633783 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:47837
 DS_ID:17011
 EP_NO: N/A
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction.6/10/2015 Debris still present inside riser and pipe was not replaced with the SBFCA project.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Same as last inspection.5/13/2013 SBFCA project recommends replacing in accordance with title 23.5/7/2013 Same as last inspection. Recommend constructing cover to prevent falls. Wheel to operate gate chained and locked so gate operation could not be verified.10/31/2012 no cover; debris inside riser could prevent slide gate from closing. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0060 however, no issues noted. FIELD_STRUCT_DESC: 2 of 2: 60-inch drainage pipe through the levee, 12.5 feet below the crown. Slide gates in 78-inch corrugated metal pipe (CMP) wells on the waterside (WS) slope. Concrete bulkhead on both WS and landside (LS) ends. Reinforced concrete spillway on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 1+90)]
 FS Date: 5/16/2016 10:23:00 AM

LM Start	1.76	Rating **	M	Issue No.	76 (cont)
LM End	1.76	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_47837_65820.jpg



View of levee crown looking downstream.

Photo 2 of 3 : UCIP_SP_2017_47837_65819.jpg



78-inch CMP risers located on WS slope. Upstream riser (far left) missing riser cover. Reinforced concrete spillway also located on WS end.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	1.76	Rating **	M	Issue No.	76 (cont)	
LM End	1.76	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.334886 °	39.334886 °	
				-121.633783 °	-121.633783 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:47837 DS_ID:17011 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction.6/10/2015 Debris still present inside riser and pipe was not replaced with the SBFCA project.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Same as last inspection.5/13/2013 SBFCA project recommends replacing in accordance with title 23.5/7/2013 Same as last inspection. Recommend constructing cover to prevent falls. Wheel to operate gate chained and locked so gate operation could not be verified.10/31/2012 no cover; debris inside riser could prevent slide gate from closing. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0060 however, no issues noted. FIELD_STRUCT_DESC: 2 of 2: 60-inch drainage pipe through the levee, 12.5 feet below the crown. Slide gates in 78-inch corrugated metal pipe (CMP) wells on the waterside (WS) slope. Concrete bulkhead on both WS and landside (LS) ends. Reinforced concrete spillway an the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 1+90)] FS Date: 5/16/2016 10:23:00 AM						

Photo 3 of 3 : UCIP_SP_2017_47837_65818.jpg



View of crossing behind slide gate.

LM Start	1.82	Rating **	A	Issue No.	62
LM End	2.53	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.335774 °	39.345322 °
				-121.633888 °	-121.629603 °
DWR ID	DWR_MA0007_01_f_2016_62				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					
This section of levee has been brought back to design elevation and the aggregate base placed.					

Photo 1 of 2 : SP_2017_MA0007_200_62_20170316_00013.jpg



View of levee that has been brought back to design elevation but still needs the aggregate base placed. Looking downstream. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	1.82	Rating **	A	Issue No.	62 (cont)	
LM End	2.53	Issue Type +	Ma	Location *	CR	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Crown Surface / Depressions / Rutting			39.335774 °		39.345322 °
				-121.633888 °		-121.629603 °
DWR ID	DWR_MA0007_01_f_2016_62					
Comment Code						
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.						
Inspector Comment						
This section of levee has been brought back to design elevation and the aggregate base placed.						

Photo 2 of 2 : SP_2017_MA0007_200_62_20170327_00120.jpg



View of levee that has been brought back to design elevation and the aggregate base placed. Looking upstream.Spring 2017.

LM Start	1.94	Rating **	A/W	Issue No.	77
LM End	1.94	Issue Type +	Ma	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.337408 °	39.337408 °
				-121.633480 °	-121.633480 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47975 DS_ID:16925 EP_NO: 18708 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 1777+00, will be removed and replaced as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/10/2015 Pipe appears to be in good condition. No noticeable issues to report.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Same as last inspection.5/13/2013 SBFCA project recommends replacing in accordance with title 23.10/31/2012 WS gate appears to be working. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0062 for broken flap gate on WS and half blocked by soil/vegetation on LS. FIELD_STRUCT_DESC: 24-inch drainage pipe through the levee, 6.5 feet below the crown. Concrete headwall at both toes. Flap gate on the waterside (WS) end. (Permit No. 18708 - 2011, Sandra Waller, permit issued in 2011 to continue using existing 24-inch pipe) [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 12+00)] FS Date: 5/16/2016 10:23:00 AM					

Photo 1 of 3 : UCIP_SP_2017_47975_65825.jpg



Overview of levee crown looking upstream.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	1.94	Rating **	A/W	Issue No.	77 (cont)
LM End	1.94	Issue Type +	Ma	Location *	CR
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.337408 °	39.337408 °	
			-121.633480 °	-121.633480 °	
DWR ID					

Comment Code

Inspector Comment

FS_ID:47975
DS_ID:16925
EP_NO: 18708
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 1777+00, will be removed and replaced as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/10/2015 Pipe appears to be in good condition. No noticeable issues to report.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Same as last inspection.5/13/2013 SBFCA project recommends replacing in accordance with title 23.10/31/2012 WS gate appears to be working. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0062 for broken flap gate on WS and half blocked by soil/vegetation on LS.
FIELD_STRUCT_DESC: 24-inch drainage pipe through the levee, 6.5 feet below the crown. Concrete headwall at both toes. Flap gate on the waterside (WS) end. (Permit No. 18708 - 2011, Sandra Waller, permit issued in 2011 to continue using existing 24-inch pipe) [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 12+00)]
FS Date: 5/16/2016 10:23:00 AM

LM Start	1.94	Rating **	A/W	Issue No.	77 (cont)
LM End	1.94	Issue Type +	Ma	Location *	CR

Photo 2 of 3 : UCIP_SP_2017_47975_65824.jpg



View of flap gate located on WS toe.

Photo 3 of 3 : UCIP_SP_2017_47975_65826.jpg



Crossing appears to be tar coated inside, unable to confirm damage to wall.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	2.09	Rating **	A/W	Issue No.	78
LM End	2.09	Issue Type +	Ma	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.339266 °	39.339266 °
				-121.631847 °	-121.631847 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:47976
DS_ID:16924
EP_NO: 18709
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 1785+24, will be removed and replaced as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/10/2015 Pipe appears in good condition. No noticeable issues to report.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Same as last inspection.5/13/2013 SBFCA project recommends replacing in accordance with title 23.5/7/2013 Periodic inspection issue has been resolved and gate is clear to operate normally.10/31/2012 This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0070 for inoperable flap gate filled with gravel.
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on both WS and landside (LS). Concrete apron located on the WS end. (Permit No. 18709, 2011 - Sandra Waller, permit issued in 2011 to continue the use of existing 24-inch pipe) [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 19+30)]
FS Date: 5/16/2016 10:23:00 AM

LM Start	2.09	Rating **	A/W	Issue No.	78 (cont)
LM End	2.09	Issue Type +	Ma	Location *	CR

Photo 1 of 3 : UCIP_SP_2017_47976_65833.jpg



Overview of levee crown looking upstream.

Photo 2 of 3 : UCIP_SP_2017_47976_65832.jpg



Crossing with concrete apron and flap gate located on WS end.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	2.09	Rating **	A/W	Issue No.	78 (cont)
LM End	2.09	Issue Type +	Ma	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.339266 °	39.339266 °
				-121.631847 °	-121.631847 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:47976
DS_ID:16924
EP_NO: 18709
Repair Type: No Action Needed
Crossing Status: Found
UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 1785+24, will be removed and replaced as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/10/2015 Pipe appears in good condition. No noticeable issues to report.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Same as last inspection.5/13/2013 SBFCA project recommends replacing in accordance with title 23.5/7/2013 Periodic inspection issue has been resolved and gate is clear to operate normally.10/31/2012 This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0070 for inoperable flap gate filled with gravel.
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on both WS and landside (LS). Concrete apron located on the WS end. (Permit No. 18709, 2011 - Sandra Waller, permit issued in 2011 to continue the use of existing 24-inch pipe) [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 19+30)]
FS Date: 5/16/2016 10:23:00 AM

Photo 3 of 3 : UCIP_SP_2017_47976_65831.jpg



View of levee slope at crossing looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	2.24	Rating **	M	Issue No.	79
LM End	2.24	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.341208 °	39.341208 °
				-121.630773 °	-121.630773 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47998 DS_ID:16923 EP_NO: 18710 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as 1792+96, will be removed and replaced with a 36-inch pipe as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/10/2015 Small erosion still present around concrete standpipe. Think its just caused by rain runoff. 12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Same as last inspection.5/13/2013 SBFCA project recommends removal.5/7/2013 Same as last inspection. Need to investigate source of WS erosion.10/31/2012 Erosion on WS around concrete standpipe--might be leaking. Burrow activity present on WS slope, unable to determine if structure is still being used. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0075 however, no issues noted. FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal irrigation pipe through the levee, 12.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete distribution box at the WS toe. Second concrete distribution box connected to deep well pump located 400-500 feet from landside (LS) toe. (Permit No. 18710 - 2011, Sandra Waller, permit issued in 2011 to continue the use of existing 24-inch pipe) [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 28+00)] FS Date: 5/16/2016 10:24:00 AM					

Photo 1 of 3 : UCIP_SP_2017_47998_65837.jpg



View of levee crown looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	2.24	Rating **	M	Issue No.	79 (cont)	
LM End	2.24	Issue Type +	En	Location *	CR	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.341208 °	39.341208 °	
				-121.630773 °	-121.630773 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:47998						
DS_ID:16923						
EP_NO: 18710						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as 1792+96, will be removed and replaced with a 36-inch pipe as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/10/2015 Small erosion still present around concrete standpipe. Think its just caused by rain runoff. 12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Same as last inspection.5/13/2013 SBFCA project recommends removal.5/7/2013 Same as last inspection. Need to investigate source of WS erosion.10/31/2012 Erosion on WS around concrete standpipe--might be leaking. Burrow activity present on WS slope, unable to determine if structure is still being used. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0075 however, no issues noted.						
FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal irrigation pipe through the levee, 12.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete distribution box at the WS toe. Second concrete distribution box connected to deep well pump located 400-500 feet from landside (LS) toe. (Permit No. 18710 - 2011, Sandra Waller, permit issued in 2011 to continue the use of existing 24-inch pipe) [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 28+00)]						
FS Date: 5/16/2016 10:24:00 AM						

Photo 2 of 3 : UCIP_SP_2017_47998_65836.jpg



View of crossing and standpipe located on WS end.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	2.24	Rating **	M	Issue No.	79 (cont)
LM End	2.24	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.341208 °	39.341208 °
				-121.630773 °	-121.630773 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47998 DS_ID:16923 EP_NO: 18710 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as 1792+96, will be removed and replaced with a 36-inch pipe as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/10/2015 Small erosion still present around concrete standpipe. Think its just caused by rain runoff. 12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Same as last inspection.5/13/2013 SBFCA project recommends removal.5/7/2013 Same as last inspection. Need to investigate source of WS erosion.10/31/2012 Erosion on WS around concrete standpipe--might be leaking. Burrow activity present on WS slope, unable to determine if structure is still being used. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0075 however, no issues noted. FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal irrigation pipe through the levee, 12.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete distribution box at the WS toe. Second concrete distribution box connected to deep well pump located 400-500 feet from landside (LS) toe. (Permit No. 18710 - 2011, Sandra Waller, permit issued in 2011 to continue the use of existing 24-inch pipe) [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 28+00)] FS Date: 5/16/2016 10:24:00 AM					

Photo 3 of 3 : UCIP_SP_2017_47998_65841.jpg



Inside view of standpipe located on WS end.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	2.36	Rating **	M	Issue No.	80
LM End	2.36	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.342859 °	39.342859 °
				-121.629909 °	-121.629909 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47933 DS_ID:20817 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. New gate valve, referenced as STA 1799+44, will be installed as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/10/2015 Air vac is still bent over.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Air vac bent over and both metal posts are laying at toe of levee.5/13/2013 Permit number and owner in detailed report book.5/7/2013 Need to find owner of structure.10/30/2012 Need permit authorizing work. FIELD_STRUCT_DESC: Air vac located on the waterside (WS) shoulder protected by two metal posts. No other signs of encroachment are present. No permit has been identified since crossing was field discovered in 2012. FS Date: 5/16/2016 10:24:00 AM					

LM Start	2.36	Rating **	M	Issue No.	80 (cont)
LM End	2.36	Issue Type +	En	Location *	CR

Photo 1 of 3 : UCIP_SP_2017_47933_65844.jpg



Overview of levee crown looking downstream at crossing.

Photo 2 of 3 : UCIP_SP_2017_47933_65843.jpg



View of WS at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	2.36	Rating **	M	Issue No.	80 (cont)	
LM End	2.36	Issue Type +	En	Location *	CR	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.342859 °		39.342859 °
				-121.629909 °		-121.629909 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:47933 DS_ID:20817 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. New gate valve, referenced as STA 1799+44, will be installed as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/10/2015 Air vac is still bent over.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Air vac bent over and both metal posts are laying at toe of levee.5/13/2013 Permit number and owner in detailed report book.5/7/2013 Need to find owner of structure.10/30/2012 Need permit authorizing work. FIELD_STRUCT_DESC: Air vac located on the waterside (WS) shoulder protected by two metal posts. No other signs of encroachment are present. No permit has been identified since crossing was field discovered in 2012. FS Date: 5/16/2016 10:24:00 AM						

Photo 3 of 3 : UCIP_SP_2017_47933_65847.jpg



View of WS at crossing.

LM Start	2.53	Rating **	A/W	Issue No.	61
LM End	3.33	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.345322 °	39.354627 °
				-121.629604 °	-121.635530 °
DWR ID	DWR_MA0007_01_f_2016_61				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
This section of levee is back to design elevation and crown rocked.					

Photo 1 of 2 : SP_2017_MA0007_200_61_20170327_00121.jpg



View of the levee that has been brought back to design elevation and rocked, looking upstream. Spring 2017.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	2.53	Rating **	A/W	Issue No.	61 (cont)	
LM End	3.33	Issue Type +	Ma	Location *	CR	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Crown Surface / Depressions / Rutting			39.345322 °		39.354627 °
				-121.629604 °		-121.635530 °
DWR ID	DWR_MA0007_01_f_2016_61					
Comment Code						
C2 : Repair depressions or ruts in the crown or slope.						
Inspector Comment						
This section of levee is back to design elevation and crown rocked.						

Photo 2 of 2 : SP_2017_MA0007_200_61_20170316_00012.jpg



View of the levee that is currently under construction and has been degraded and is being brought back to design elevation, looking downstream. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	2.56	Rating **	M	Issue No.	81
LM End	2.56	Issue Type +	Ma	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.345638 °	39.345638 °
				-121.629607 °	-121.629607 °

Comment Code

Inspector Comment

FS_ID:48000
DS_ID:16910
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 1809+65, will be removed and replaced as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/10/2015 Pipe appears in good condition. No noticeable issues to report.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Same as last inspection.5/13/2013 SBFCA project recommends replacing in accordance with title 23.5/7/2013 WS sediment blocking gate has been cleared so gate can operate normally. Recommend clearing sediment buildup at mouth of pipe on LS.10/31/2012 WS headwall may be present not visible due to soil cover. Sediment build up on LS headwall--clear. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0083 for inoperable gate.
FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 6.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall at both WS and landside (LS) toes. (USACE O&M Manual, 1957) [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 44+50)]
FS Date: 5/16/2016 10:25:00 AM

LM Start	2.56	Rating **	M	Issue No.	81 (cont)
LM End	2.56	Issue Type +	Ma	Location *	CR

Photo 1 of 3 : UCIP_SP_2017_48000_65849.jpg



View of levee crown looking upstream.

Photo 2 of 3 : UCIP_SP_2017_48000_65852.jpg



View of flap gate located on WS.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	2.56	Rating **	M	Issue No.	81 (cont)	
LM End	2.56	Issue Type +	Ma	Location *	CR	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.345638 °	39.345638 °	
				-121.629607 °	-121.629607 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:48000 DS_ID:16910 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 1809+65, will be removed and replaced as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/10/2015 Pipe appears in good condition. No noticeable issues to report.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Same as last inspection.5/13/2013 SBFCA project recommends replacing in accordance with title 23.5/7/2013 WS sediment blocking gate has been cleared so gate can operate normally. Recommend clearing sediment buildup at mouth of pipe on LS.10/31/2012 WS headwall may be present not visible due to soil cover. Sediment buildup on LS headwall--clear. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0083 for inoperable gate. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee, 6.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall at both WS and landside (LS) toes. (USACE O&M Manual, 1957) [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 44+50)] FS Date: 5/16/2016 10:25:00 AM						

Photo 3 of 3 : UCIP_SP_2017_48000_65851.jpg



View of LS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	2.73	Rating **	M	Issue No.	82
LM End	2.73	Issue Type +	Ma	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.347977 °	39.347977 °
				-121.630337 °	-121.630337 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:49199
DS_ID:16921
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 1818+72, will be removed and replaced with a 36-inch pipe as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/10/2015 Riser is still damaged and cant locate signs of pipe on LS.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23.5/7/2013 Same as last inspection, rodent activity near crossing, need to repair rodent hole on WS.10/31/2012 CMP riser damage-repair needed. Unable to locate pipe on LS. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0090 however, no issues noted.
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 25.5 feet below the crown. Slide gate in 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope.
[Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 52+50)]
FS Date: 5/16/2016 10:25:00 AM

LM Start	2.73	Rating **	M	Issue No.	82 (cont)
LM End	2.73	Issue Type +	Ma	Location *	CR

Photo 1 of 3 : UCIP_SP_2017_49199_65855.jpg



Overview of levee crown looking upstream.

Photo 2 of 3 : UCIP_SP_2017_49199_65854.jpg



View of WS slope looking upstream. Matt is standing near CMP riser.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	2.73	Rating **	M	Issue No.	82 (cont)	
LM End	2.73	Issue Type +	Ma	Location *	CR	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.347977 °	39.347977 °	
				-121.630337 °	-121.630337 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:49199 DS_ID:16921 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 1818+72, will be removed and replaced with a 36-inch pipe as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/10/2015 Riser is still damaged and cant locate signs of pipe on LS.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23.5/7/2013 Same as last inspection, rodent activity near crossing, need to repair rodent hole on WS.10/31/2012 CMP riser damage-repair needed. Unable to locate pipe on LS. This crossing was listed in the USACE Periodic Inspections as ID# USACE_CESPK_MA07_2010_a_0090 however, no issues noted. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 25.5 feet below the crown. Slide gate in 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 52+50)] FS Date: 5/16/2016 10:25:00 AM						

Photo 3 of 3 : UCIP_SP_2017_49199_65853.jpg



View of LS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	2.81	Rating **	M	Issue No.	83
LM End	2.81	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.349158 °	39.349158 °
				-121.630354 °	-121.630354 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:47937
DS_ID:16919
EP_NO: 5722
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Both 12-inch and 24-inch, referenced as STA 1823+01, will be removed as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/10/2015 Same as last inspection.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23.5/7/2013 Same as last inspection. WS sediment drop above concrete stand pipe. Coordinate with owner and levee inspector to address issue.10/31/2012 dense burrow activity on crown and slopes. FIELD_STRUCT_DESC: 12-inch cement coated and lined steel sewer pipe sleeved through the existing 24-inch corrugated metal pipe with annular space pressure grouted through the levee, 21.4 feet below the crown. A 36-inch reinforced concrete pipe riser is located on the waterside (WS). Slide gate in 36-inch reinforced concrete pipe riser located on the WS slope. (Permit No. 5722, 1968 - City of Gridley) [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 56+90)]
FS Date: 5/16/2016 10:25:00 AM

LM Start	2.81	Rating **	M	Issue No.	83 (cont)
LM End	2.81	Issue Type +	En	Location *	CR

Photo 1 of 3 : UCIP_SP_2017_47937_65864.jpg



Overview of levee crown looking upstream.

Photo 2 of 3 : UCIP_SP_2017_47937_65863.jpg



View of WS slope looking at crossing.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	2.81	Rating **	M	Issue No.	83 (cont)	
LM End	2.81	Issue Type +	En	Location *	CR	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.349158 °	39.349158 °	
				-121.630354 °	-121.630354 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:47937						
DS_ID:16919						
EP_NO: 5722						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Both 12-inch and 24-inch, referenced as STA 1823+01, will be removed as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/10/2015 Same as last inspection.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23.5/7/2013 Same as last inspection. WS sediment drop above concrete stand pipe. Coordinate with owner and levee inspector to address issue.10/31/2012 dense burrow activity on crown and slopes. FIELD_STRUCT_DESC: 12-inch cement coated and lined steel sewer pipe sleeved through the existing 24-inch corrugated metal pipe with annular space pressure grouted through the levee, 21.4 feet below the crown. A 36-inch reinforced concrete pipe riser is located on the waterside (WS). Slide gate in 36-inch reinforced concrete pipe riser located on the WS slope. (Permit No. 5722, 1968 - City of Gridley) [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 56+90)]						
FS Date: 5/16/2016 10:25:00 AM						

Photo 3 of 3 : UCIP_SP_2017_47937_65862.jpg



View of LS slope at crossing alignment projection. No crossing or appurtances visible on LS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	3.02	Rating **	M	Issue No.	84
LM End	3.02	Issue Type +	Ma	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.352159 °	39.352159 °
				-121.631209 °	-121.631209 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:47981
DS_ID:16918
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. 12-inch and 24-inch crossings, referenced as STA 1834+42, will be removed and replaced with a 36-inch pipe as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/10/2015 Same as last inspection.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23.5/7/2013 Structure does appear to be altered. Contact Levee Inspector to pursue NOV.10/31/2012 Unable to determine if this crossing has been altered, will need to coordinate with levee inspector. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0104 however, no issues reported.
FIELD_STRUCT_DESC: 12-inch steel drainage pipe sleeved through existing 24-inch pipe. The 24-inch corrugated metal pipe goes through the levee at approximately 15.3 feet below the crown. Flap gate inside riser on the WS end. A reinforced concrete pipe riser located on the waterside (WS). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 69+00)]
FS Date: 5/16/2016 10:26:00 AM

LM Start	3.02	Rating **	M	Issue No.	84 (cont)
LM End	3.02	Issue Type +	Ma	Location *	CR

Photo 1 of 3 : UCIP_SP_2017_47981_65872.jpg



View of levee crown looking upstream at crossing.

Photo 2 of 3 : UCIP_SP_2017_47981_65871.jpg



View of WS looking at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	3.02	Rating **	M	Issue No.	84 (cont)	
LM End	3.02	Issue Type +	Ma	Location *	CR	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.352159 °	39.352159 °	
				-121.631209 °	-121.631209 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:47981 DS_ID:16918 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. 12-inch and 24-inch crossings, referenced as STA 1834+42, will be removed and replaced with a 36-inch pipe as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/10/2015 Same as last inspection.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/6/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23.5/7/2013 Structure does appear to be altered. Contact Levee Ispector to pursue NOV.10/31/2012 Unable to determine if this crossing has been altered, will need to coordinate with levee inspector. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0104 however, no issues reported. FIELD_STRUCT_DESC: 12-inch steel drainage pipe sleeved through existing 24-inch pipe. The 24-inch corrugated metal pipe goes through the levee at approximately 15.3 feet below the crown. Flap gate inside riser on the WS end. A reinforced concrete pipe riser located on the waterside (WS). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 69+00)] FS Date: 5/16/2016 10:26:00 AM						

Photo 3 of 3 : UCIP_SP_2017_47981_65875.jpg



View of additional appurtances associated with crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	3.32	Rating **	A/W	Issue No.	60
LM End	4.29	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.354596 °	39.365418 °
				-121.635404 °	-121.646539 °
DWR ID	DWR_MA0007_01_f_2016_60				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					
This section of levee has been brought back to design elevation and the aggregate base placed.					

Photo 1 of 2 : SP_2017_MA0007_200_60_20170327_00122.jpg



View of levee that has been brought back to design elevation and the aggregate base placed. Looking upstream. Spring 2017

LM Start	3.32	Rating **	A/W	Issue No.	60 (cont)
LM End	4.29	Issue Type +	Ma	Location *	CR

Photo 2 of 2 : SP_2017_MA0007_200_60_20170316_00011.jpg



View of levee that has been brought back to design elevation but still needs the aggregate base placed. Looking down stream. Fall 2016.

LM Start	4.39	Rating **	M	Issue No.	39
LM End	5.35	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.366547 °	39.380071 °
				-121.647523 °	-121.650558 °
DWR ID	DWR_MA0007_01_s_2012_39				
Comment Code					
DT : Ditch					
Inspector Comment					
Landside irrigation ditch.					

Photo 1 of 1 : SP_2017_MA0007_200_39_20170316_00002.jpg



View of Landside ditch.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	4.39	Rating **	M	Issue No.	6
LM End	4.46	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			39.366726 °	39.367606 °
				-121.647217 °	-121.647866 °
DWR ID	DWR_MA0007_01_s_2016_6				
Comment Code					
Inspector Comment					
2012 - Oversteepened slope with failing rock (from repair completed in 1954). Likely slope stability issues. 2015: Site is part of the extended inventory, last inspected 2011. [2015 Site ID: FHR_50-9_R]					

Photo 1 of 1 : SP_2017_MA0007_200_6_20170327_00123.jpg



Erosion repair photo Spring 2017.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	4.92	Rating **	M	Issue No.	85
LM End	4.92	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.373851 °	39.373851 °
				-121.650322 °	-121.650322 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:48003
DS_ID:16943
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 1934+54, will be removed and replaced with a 12-inch pipe as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/10/2015 Pipe has been removed during the SBFA project. It was originally listed to be replaced so it may be added back in on a later date.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/7/2013 Same as last inspection.5/13/2013 SBFA project recommends relacing in accordance with title 23.5/10/2013 Barrel down inside standpipe. Slide gate difficult to operate.11/5/2012 burrow activity on WS slope. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0160 no issues reported.
FIELD_STRUCT_DESC: 24-inch (not 42-inch) corrugated metal drainage pipe through the levee, 13.6 feet below the crown. Concrete distribution box with slide gate inside located on the waterside (WS). 36-inch pipe goes through the WS berm. (not found 2012) Concrete riser located across ditch unable to determine if standpipe is part of crossing appurtenances. [Additional Reference(s): DWR Levee Log, 2005]
FS Date: 5/16/2016 10:28:00 AM

LM Start	4.92	Rating **	M	Issue No.	85 (cont)
LM End	4.92	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_48003_65891.jpg



Overview of levee crown and slopes at crossing looking upstream.

Photo 2 of 3 : UCIP_SP_2017_48003_65890.jpg



View of concrete distribution box with slide gate inside.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	4.92	Rating **	M	Issue No.	85 (cont)	
LM End	4.92	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.373851 °	39.373851 °	
				-121.650322 °	-121.650322 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:48003 DS_ID:16943 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 1934+54, will be removed and replaced with a 12-inch pipe as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/10/2015 Pipe has been removed during the SBFCA project. It was originally listed to be replaced so it may be added back in on a later date.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/7/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23.5/10/2013 Barrel down inside standpipe. Slide gate difficult to operate.11/5/2012 burrow activity on WS slope. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0160 no issues reported. FIELD_STRUCT_DESC: 24-inch (not 42-inch) corrugated metal drainage pipe through the levee, 13.6 feet below the crown. Concrete distribution box with slide gate inside located on the waterside (WS). 36-inch pipe goes through the WS berm. (not found 2012) Concrete riser located across ditch unable to determine if standpipe is part of crossing appurtenances. [Additional Reference(s): DWR Levee Log, 2005] FS Date: 5/16/2016 10:28:00 AM						

Photo 3 of 3 : UCIP_SP_2017_48003_65889.jpg



Close up view of distribution box on LS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	5.16	Rating **	U	Issue No.	86
LM End	5.16	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.377343 °	39.377343 °
				-121.650450 °	-121.650450 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:49918 DS_ID:23095 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. (DWR Sutter Yard - afreitag)6/10/2015 Still damaged at WS slope. Wires are still exposed but crossing is listed to be replaced sometime during the SBFCA project. (DWR Sutter Yard - afreitag)12/29/2014 Same as last inspection. (DWR Sutter Yard - afreitag)5/19/2014 Same as last inspection. (DWR Sutter Yard - afreitag)11/7/2013 More damage has occurred to power wires. Live wires are now exposed. Power company is aware of the problem and are going to fix it. (DWR Sutter Yard - afreitag)5/9/2013 Appeared to be damaged where it exits the WS slope, minor settling on LS toe, unable to obtain permit. SBFCA project recommends replacing in accordance with title 23. (DWR UCIP - omagana) FIELD_STRUCT_DESC: 2.5-inch steel electrical conduit through the levee, 3-4 feet below the crown. No permit has been identified since crossing was field discovered in 2012. FS Date: 5/16/2016 10:28:00 AM					

LM Start	5.16	Rating **	U	Issue No.	86 (cont)
LM End	5.16	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_49918_65897.jpg



Overview of crossing from crown looking D/S

Photo 2 of 3 : UCIP_SP_2017_49918_65896.jpg



Overview of crossing from crown looking U/S

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	5.16	Rating **	U	Issue No.	86 (cont)	
LM End	5.16	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.377343 °	39.377343 °	
				-121.650450 °	-121.650450 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:49918 DS_ID:23095 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. (DWR Sutter Yard - afreitag)6/10/2015 Still damaged at WS slope. Wires are still exposed but crossing is listed to be replaced sometime during the SBFCA project. (DWR Sutter Yard - afreitag)12/29/2014 Same as last inspection. (DWR Sutter Yard - afreitag)5/19/2014 Same as last inspection. (DWR Sutter Yard - afreitag)11/7/2013 More damage has occurred to power wires. Live wires are now exposed. Power company is aware of the problem and are going to fix it. (DWR Sutter Yard - afreitag)5/9/2013 Appeared to be damaged where it exits the WS slope, minor settling on LS toe, unable to obtain permit. SBFCA project recommends replacing in accordance with title 23. (DWR UCIP - omagana) FIELD_STRUCT_DESC: 2.5-inch steel electrical conduit through the levee, 3-4 feet below the crown. No permit has been identified since crossing was field discovered in 2012. FS Date: 5/16/2016 10:28:00 AM						

Photo 3 of 3 : UCIP_SP_2017_49918_65895.jpg



WS slope

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	5.33	Rating **	M	Issue No.	87
LM End	5.33	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.379838 °	39.379838 °
				-121.650611 °	-121.650611 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:48815
DS_ID:16920
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 1956+20, will be removed and replaced with a 36-inch pipe as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/10/2015 Unable to locate any signs of this crossing during this inspection. Looks to have been removed for the SBFCA project.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/7/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23.5/10/2013 Same as last inspection.11/5/2012 No access to LS--residential property; unable to determine the type of abandonment for this crossing; need to determine if there is a positive closure device on WS. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0173 unknown.
FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal irrigation pipe through the levee, 14 feet below the crown. Slide gate on the landside (LS). Slide gate in concrete pipe riser on the waterside (WS) berm. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 191+13)]
FS Date: 5/16/2016 10:29:00 AM

LM Start	5.33	Rating **	M	Issue No.	87 (cont)
LM End	5.33	Issue Type +	En	Location *	WS

Photo 1 of 2 : UCIP_SP_2017_48815_65903.jpg



View of WS.

Photo 2 of 2 : UCIP_SP_2017_48815_65902.jpg



View of LS--no access.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	5.42	Rating **	M	Issue No.	88
LM End	5.42	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.380377 °	39.380377 °
				-121.649344 °	-121.649344 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:48005
DS_ID:16922
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 1961+03, will be removed as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5. The 2-60 inch pipes will be replaced with a single 36-inch pipe.6/10/2015 Sediment still blocking the flap gates on WS. LS inlet being overgrown by vegetation in the ditch.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/7/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23.5/10/2013 Same as last inspection.11/5/2012 Sediment blocking flap gates on WS--need to clear sediment. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0180 no issues reported.
FIELD_STRUCT_DESC: 1 of 2: 60-inch corrugated metal drainage pipe (downstream pipe) through the levee, 23.4 feet below the crown. Concrete headwalls on both the waterside (WS) and landside (LS) ends. Flap gate on the WS end. Ditch at WS outlet. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 195+80)]
FS Date: 5/16/2016 10:29:00 AM

LM Start	5.42	Rating **	M	Issue No.	88 (cont)
LM End	5.42	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_48005_65904.jpg



View of WS. Concrete headwall located at levee toe.

Photo 2 of 3 : UCIP_SP_2017_48005_65905.jpg



View of headwall structure on WS. Sediment built up

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	5.42	Rating **	M	Issue No.	88 (cont)
LM End	5.42	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.380377 °	39.380377 °
				-121.649344 °	-121.649344 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:48005
DS_ID:16922
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 1961+03, will be removed as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5. The 2-60 inch pipes will be replaced with a single 36-inch pipe.6/10/2015 Sediment still blocking the flap gates on WS. LS inlet being overgrown by vegetation in the ditch.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/7/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23.5/10/2013 Same as last inspection.11/5/2012 Sediment blocking flap gates on WS--need to clear sediment. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0180 no issues reported.
FIELD_STRUCT_DESC: 1 of 2: 60-inch corrugated metal drainage pipe (downstream pipe) through the levee, 23.4 feet below the crown. Concrete headwalls on both the waterside (WS) and landside (LS) ends. Flap gate on the WS end. Ditch at WS outlet. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 195+80)]
FS Date: 5/16/2016 10:29:00 AM

Photo 3 of 3 : UCIP_SP_2017_48005_65908.jpg



Sediment blocking gates on WS.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	5.42	Rating **	M	Issue No.	89
LM End	5.42	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.380377 °	39.380377 °
				-121.649319 °	-121.649319 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:48006
DS_ID:17013
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 1961+10, will be removed as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5. The 2-60 inch pipes will be replaced with a single 36-inch pipe.6/10/2015 Sediment still blocking the flap gates on WS. LS inlet being overgrown by vegetation in the ditch.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/7/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23.5/10/2013 Same as last inspection.11/5/2012 Sediment blocking flap gate--need to remove sediment to make flap gates operational.
FIELD_STRUCT_DESC: 2 of 2: 60-inch corrugated metal drainage pipe (upstream pipe) through the levee, 23.4 feet below the crown. Concrete headwalls on both the waterside (WS) and landside (LS) ends. Flap gate on the WS end. Ditch located at WS outlet. (USACE O&M Manual, 1957) [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 195+80)]
FS Date: 5/16/2016 10:29:00 AM

LM Start	5.42	Rating **	M	Issue No.	89 (cont)
LM End	5.42	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_48006_65911.jpg



View of WS with clear slope.

Photo 2 of 3 : UCIP_SP_2017_48006_65910.jpg



View of headwall and flap gates located on WS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	5.42	Rating **	M	Issue No.	89 (cont)
LM End	5.42	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.380377 °	39.380377 °
				-121.649319 °	-121.649319 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:48006
DS_ID:17013
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 1961+10, will be removed as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5. The 2-60 inch pipes will be replaced with a single 36-inch pipe.6/10/2015 Sediment still blocking the flap gates on WS. LS inlet being overgrown by vegetation in the ditch.12/29/2014 Same as last inspection.5/19/2014 Same as last inspection.11/7/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23.5/10/2013 Same as last inspection.11/5/2012 Sediment blocking flap gate--need to remove sediment to make flap gates operational.
FIELD_STRUCT_DESC: 2 of 2: 60-inch corrugated metal drainage pipe (upstream pipe) through the levee, 23.4 feet below the crown. Concrete headwalls on both the waterside (WS) and landside (LS) ends. Flap gate on the WS end. Ditch located at WS outlet. (USACE O&M Manual, 1957) [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 195+80)]
FS Date: 5/16/2016 10:29:00 AM

Photo 3 of 3 : UCIP_SP_2017_48006_65909.jpg



WS--Sediment build up against flap gates.

LM Start	7.00	Rating **	A/W	Issue No.	54
LM End	7.90	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.392205 °	39.401297 °
				-121.627899 °	-121.630883 °
DWR ID	DWR MA0007 01 f 2016 54				

Comment Code

C2 : Repair depressions or ruts in the crown or slope.

Inspector Comment

This portion of the levee brought back to design elevation and crown rocked.

Photo 1 of 2 : SP_2017_MA0007_200_54_20170327_00124.jpg



View of this portion of the levee that has been degraded and is being brought back to design elevation and rocked. Spring 2017.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	7.00	Rating **	A/W	Issue No.	54 (cont)
LM End	7.90	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.392205 °	39.401297 °
				-121.627899 °	-121.630883 °
DWR ID	DWR_MA0007_01_f_2016_54				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
This portion of the levee brought back to design elevation and crown rocked.					

Photo 2 of 2 : SP_2017_MA0007_200_54_20170316_00010.jpg



View of this portion of the levee that is currently under construction that has been degraded and is being brought back to design elevation. Fall 2016.

LM Start	7.70	Rating **	M	Issue No.	90
LM End	7.70	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.398336 °	39.398336 °
				-121.630529 °	-121.630529 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:48007 DS_ID:16960 EP_NO: 17895 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 2084+03, will be removed and replaced as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/10/2015 Minor erodin still present near air vent.12/30/2014 Same as last inspection.5/19/2014 Same as last inspection.11/7/2013 Same as last inspection.11/5/2012 localized erosion at air vent located on WS shoulder; this crossing appears to have leaking at the air vent--will need to determine reason for erosion at air vent (vehicles going over vent?); also recommend installing utility marker. FIELD_STRUCT_DESC: 5-inch steel irrigation pipe through the right (west) bank levee at an unknown depth below the crown. Pipe connects to existing pipe within the overflow area of the Feather River. (Permit No. 17895, 2005 - John Kucek) FS Date: 5/16/2016 10:30:00 AM					

Photo 1 of 3 : UCIP_SP_2017_48007_65923.jpg



View of LS and levee crown looking upstream towards crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	7.70	Rating **	M	Issue No.	90 (cont)
LM End	7.70	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.398336 °	39.398336 °
				-121.630529 °	-121.630529 °

Comment Code

Inspector Comment

FS_ID:48007
DS_ID:16960
EP_NO: 17895
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 2084+03, will be removed and replaced as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/10/2015 Minor erosion still present near air vent.12/30/2014 Same as last inspection.5/19/2014 Same as last inspection.11/7/2013 Same as last inspection.11/5/2012 localized erosion at air vent located on WS shoulder; this crossing appears to have leaking at the air vent--will need to determine reason for erosion at air vent (vehicles going over vent?); also recommend installing utility marker.
FIELD_STRUCT_DESC: 5-inch steel irrigation pipe through the right (west) bank levee at an unknown depth below the crown. Pipe connects to existing pipe within the overflow area of the Feather River. (Permit No. 17895, 2005 - John Kucek)
FS Date: 5/16/2016 10:30:00 AM

LM Start	7.70	Rating **	M	Issue No.	90 (cont)
LM End	7.70	Issue Type +	En	Location *	CR

Photo 2 of 3 : UCIP_SP_2017_48007_65922.jpg



View of WS and levee crown looking upstream towards crossing.

Photo 3 of 3 : UCIP_SP_2017_48007_65921.jpg



Photo 1 of 2. View of localized erosion at air vent located on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	8.14	Rating **	C	Issue No.	50
LM End	8.14	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.404555 °	39.404555 °
				-121.631171 °	-121.631171 °
DWR ID	DWR_MA0007_01_f_2016_50				
Comment Code					
PR : Prunings					
Inspector Comment					
Prunings at land side toe have been burned and are gone.					

No Photos

LM Start	8.45	Rating **	U	Issue No.	91
LM End	8.45	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.404475 °	39.404475 °
				-121.636958 °	-121.636958 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:49919 DS_ID:23096 EP_NO: N/A Repair Type: Urgent Crossing Status: Indicator Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. (DWR Sutter Yard - afreitag)6/10/2015 Same as last inspection. (DWR Sutter Yard - afreitag)12/30/2014 Same as last inspection. (DWR Sutter Yard - afreitag)5/19/2014 Same as last inspection. (DWR Sutter Yard - afreitag)11/7/2013 Same as last inspection. (DWR Sutter Yard - afreitag)5/9/2013 Depression along WS slope that could indicate a leak or poor compaction. Unknown permit number need to coordinate with landowner to find out more info. (DWR UCIP - omagana) FIELD_STRUCT_DESC: Irrigation pipe of unknown material through the levee at an unknown depth below the crown. Steel standpipe located on the landside (LS) toe. Also present is 4.5-inch polyvinyl chloride (PVC) pipe near standpipe located on the LS toe. No permit has been identified since crossing was field discovered in 2012. FS Date: 5/16/2016 10:31:00 AM					

Photo 1 of 3 : UCIP_SP_2017_49919_65926.jpg



Overview from crown looking U/S

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	8.45	Rating **	U	Issue No.	91 (cont)
LM End	8.45	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.404475 °	39.404475 °
				-121.636958 °	-121.636958 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:49919
DS_ID:23096
EP_NO: N/A
Repair Type: Urgent
Crossing Status: Indicator Found
UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. (DWR Sutter Yard - afreitag)6/10/2015 Same as last inspection. (DWR Sutter Yard - afreitag)12/30/2014 Same as last inspection. (DWR Sutter Yard - afreitag)5/19/2014 Same as last inspection. (DWR Sutter Yard - afreitag)11/7/2013 Same as last inspection. (DWR Sutter Yard - afreitag)5/9/2013 Depression along WS slope that could indicate a leak or poor compaction. Unknown permit number need to coordinate with landowner to find out more info. (DWR UCIP - omagana)
FIELD_STRUCT_DESC: Irrigation pipe of unknown material through the levee at an unknown depth below the crown. Steel standpipe located on the landside (LS) toe. Also present is 4.5-inch polyvinyl chloride (PVC) pipe near standpipe located on the LS toe. No permit has been identified since crossing was field discovered in 2012.
FS Date: 5/16/2016 10:31:00 AM

LM Start	8.45	Rating **	U	Issue No.	91 (cont)
LM End	8.45	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_49919_65925.jpg



LS slope

Photo 3 of 3 : UCIP_SP_2017_49919_65924.jpg



PVC and steel pipe on LS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	8.61	Rating **	M	Issue No.	92
LM End	8.61	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.406614 °	39.406614 °
				-121.637384 °	-121.637384 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47873 DS_ID:23094 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction.6/10/2015 same as last inspection.12/30/2014 Same as last inspection.5/19/2014 Same as last inspection.11/7/2013 Same as last inspection.5/9/2013 Unknown permit coordinate with landowner to find out more information. FIELD_STRUCT_DESC: Irrigation pipe of unknown size and material through the levee of an unknown depth below the crown. Pipe capped with valve inside of 6-inch steel standpipe located on the landside (LS) shoulder. No permit has been identified since crossing was field discovered in 2012. FS Date: 5/16/2016 10:31:49 AM					

Photo 1 of 3 : UCIP_SP_2017_47873_65930.jpg



Overview looking D/S

LM Start	8.61	Rating **	M	Issue No.	92 (cont)
LM End	8.61	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_47873_65929.jpg



LS slope with steel standpipe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	8.61	Rating **	M	Issue No.	92 (cont)
LM End	8.61	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.406614 °	39.406614 °
				-121.637384 °	-121.637384 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47873 DS_ID:23094 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction.6/10/2015 same as last inspection.12/30/2014 Same as last inspection.5/19/2014 Same as last inspection.11/7/2013 Same as last inspection.5/9/2013 Unknown permit coordinate with landowner to find out more information. FIELD_STRUCT_DESC: Irrigation pipe of unknown size and material through the levee of an unknown depth below the crown. Pipe capped with valve inside of 6-inch steel standpipe located on the landside (LS) shoulder. No permit has been identified since crossing was field discovered in 2012. FS Date: 5/16/2016 10:31:49 AM					

Photo 3 of 3 : UCIP_SP_2017_47873_65932.jpg



Inside of steel standpipe with cap

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	8.64	Rating **	M	Issue No.	93
LM End	8.64	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.407159 °	39.407159 °
				-121.637409 °	-121.637409 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:47874
DS_ID:16949
EP_NO: 14200
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction.6/10/2015 Same as last inspection.12/30/2014 Same as last inspection.5/19/2014 Same as last inspection.11/7/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23.5/10/2013 Appears to just be surface erosion and not a crossing. Will keep monitoring until sure.11/5/2012 LS shoulder, small hole with too much moisture; rocks look wet last rain event occurred 4 days ago.
FIELD_STRUCT_DESC: 2-inch galvanized water pipe through the levee, 2 feet below the crown. (Permit No. 14200, 1985 - Clinton W. Moffitt) [Additional Reference(s): DWR Levee Log, 2005]
FS Date: 5/16/2016 10:32:05 AM

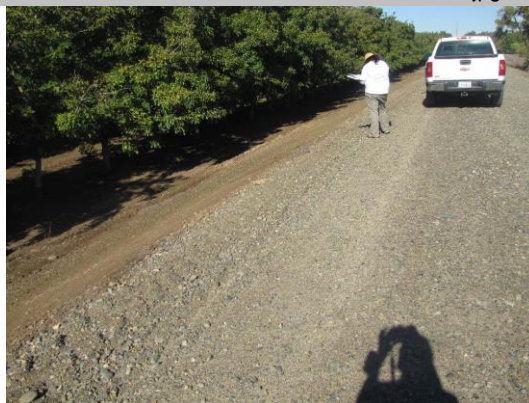
LM Start	8.64	Rating **	M	Issue No.	93 (cont)
LM End	8.64	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_47874_65936.jpg



View of WS and levee crown looking upstream at crossing alignment.

Photo 2 of 3 : UCIP_SP_2017_47874_65937.jpg



View of LS and levee crown looking upstream at crossing. Staff is standing adjacent to cavity located on LS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	8.64	Rating **	M	Issue No.	93 (cont)
LM End	8.64	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.407159 °	39.407159 °
				-121.637409 °	-121.637409 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47874 DS_ID:16949 EP_NO: 14200 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction.6/10/2015 Same as last inspection.12/30/2014 Same as last inspection.5/19/2014 Same as last inspection.11/7/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23.5/10/2013 Appears to just be surface erosion and not a crossing. Will keep monitoring until sure.11/5/2012 LS shoulder, small hole with too much moisture; rocks look wet last rain event ocured 4 days ago. FIELD_STRUCT_DESC: 2-inch galvanized water pipe through the levee, 2 feet below the crown. (Permit No. 14200, 1985 - Clinton W. Moffitt) [Additional Reference(s): DWR Levee Log, 2005] FS Date: 5/16/2016 10:32:05 AM					

Photo 3 of 3 : UCIP_SP_2017_47874_65935.jpg



View of cavity collapse along assumed pipe alignment located on LS shoulder.

LM Start	9.06	Rating **	A/W	Issue No.	47
LM End	10.53	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.411263 °	39.426682 °
				-121.634730 °	-121.639426 °
DWR ID	DWR_MA0007_01_s_2016_47				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					
This portion of the levee brought back to design elevation and crown rocked.					

Photo 1 of 2 : SP_2017_MA0007_200_47_20170327_00126.jpg



View of the portion of levee that has been degraded and is being brought back to design elevation and rocked looking upstream. Spring 2017.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	9.06	Rating **	A/W	Issue No.	47 (cont)
LM End	10.53	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.411263 °	39.426682 °
				-121.634730 °	-121.639426 °
DWR ID	DWR_MA0007_01_s_2016_47				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					
This portion of the levee brought back to design elevation and crown rocked.					

Photo 2 of 2 : SP_2017_MA0007_200_47_20170316_00007.jpg



View of the portion of levee that is currently under construction that has been degraded and is being brought back to design elevation. Fall 2016.

LM Start	9.53	Rating **	M	Issue No.	94
LM End	9.53	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.416284 °	39.416284 °
				-121.632224 °	-121.632224 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47989 DS_ID:16948 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction.6/11/2015 WS standpipe was overgrown with blackberries and unable to be inspected.12/30/2014 Same as last inspection.5/20/2014 Same as last inspection.11/7/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23.5/10/2013 Same as last inspection. Cleared back some of the black berries but live birds nest on ladder prevented me from inspecting inside of standpipe. Recommend spraying the black berries to clear path to ladder.11/5/2012 unable to determine the condition of the slide gate inside WS concrete standpipe blackberry shrubs overgrown against access latter. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 14 feet below the crown. Slide gate in 36-inch concrete standpipe at the waterside (WS) toe. Concrete distribution box at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005] FS Date: 5/16/2016 10:32:00 AM					

Photo 1 of 3 : UCIP_SP_2017_47989_65939.jpg



WS view of concrete standpipe with blackberry shrubs preventing access to latter.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	9.53	Rating **	M	Issue No.	94 (cont)
LM End	9.53	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.416284 °	39.416284 °
				-121.632224 °	-121.632224 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47989 DS_ID:16948 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction.6/11/2015 WS standpipe was overgrown with blackberries and unable to be inspected.12/30/2014 Same as last inspection.5/20/2014 Same as last inspection.11/7/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23.5/10/2013 Same as last inspection. Cleared back some of the black berries but live birds nest on ladder prevented me from inspecting inside of standpipe. Recommend spraying the black berries to clear path to ladder.11/5/2012 unable to determine the condition of the slide gate inside WS concrete standpipe blackberry shrubs overgrown against access latter. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 14 feet below the crown. Slide gate in 36-inch concrete standpipe at the waterside (WS) toe. Concrete distribution box at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2005] FS Date: 5/16/2016 10:32:00 AM					

LM Start	9.53	Rating **	M	Issue No.	94 (cont)
LM End	9.53	Issue Type +	En	Location *	CR

Photo 2 of 3 : UCIP_SP_2017_47989_65940.jpg



View of WS and levee shoulder looking upstream at crossing. Crossing appurtances include concrete riser and power pole.

Photo 3 of 3 : UCIP_SP_2017_47989_65942.jpg



View of LS looking upstream at crossing. Concrete distribution box located on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	9.65	Rating **	U	Issue No.	45
LM End	9.65	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.416384 °	39.416384 °
				-121.634503 °	-121.634503 °
DWR ID	DWR_MA0007_01_s_2012_45				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP_2017_MA0007_200_45_20170316_00006.jpg



This photo shows a building at the landside toe.

LM Start	9.97	Rating **	M	Issue No.	95
LM End	9.97	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.420736 °	39.420736 °
				-121.635321 °	-121.635321 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:47990 DS_ID:16947 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 2201+87, will be removed and replaced as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/11/2015 Abandoned crossing. SBFCA project recommends removal.12/30/2014 Same as last inspection.5/20/2014 Same as last inspection.11/7/2013 Same as last inspection.5/13/2013 SBFCA project recommends removal.5/10/2013 Same as last inspection.11/5/2012 Crossing appears to be abandoned; slide gate located inside concrete standpipe is buried with trash; no other features were visible during inspection. This crossing needs to be properly abandoned. FIELD_STRUCT_DESC: *ABANDONED* 10-inch reinforced concrete encased steel irrigation pipe through the levee, 14.5 feet below the crown. Slide gate in 24-inch concrete standpipe at the waterside (WS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 437+30)] FS Date: 5/16/2016 10:32:00 AM					

Photo 1 of 3 : UCIP_SP_2017_47990_65946.jpg



View of LS and levee crown looking upstream at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	9.97	Rating **	M	Issue No.	95 (cont)
LM End	9.97	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.420736 °	39.420736 °
				-121.635321 °	-121.635321 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:47990
DS_ID:16947
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 2201+87, will be removed and replaced as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/11/2015 Abandoned crossing. SBFCA project recommends removal.12/30/2014 Same as last inspection.5/20/2014 Same as last inspection.11/7/2013 Same as last inspection.5/13/2013 SBFCA project recommends removal.5/10/2013 Same as last inspection.11/5/2012 Crossing appears to be abandoned; slide gate located inside concrete standpipe is buried with trash; no other features were visible during inspection. This crossing needs to be properly abandoned.
FIELD_STRUCT_DESC: *ABANDONED* 10-inch reinforced concrete encased steel irrigation pipe through the levee, 14.5 feet below the crown. Slide gate in 24-inch concrete standpipe at the waterside (WS) toe. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 437+30)]
FS Date: 5/16/2016 10:32:00 AM

LM Start	9.97	Rating **	M	Issue No.	95 (cont)
LM End	9.97	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_47990_65945.jpg



View of WS shoulder and slope looking upstream at crossing.

Photo 3 of 3 : UCIP_SP_2017_47990_65944.jpg



View of concrete standpipe located at WS toe. Slide gate inside riser is buried with trash.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	10.10	Rating **	M	Issue No.	96
LM End	10.10	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.420905 °	39.420905 °
				-121.637707 °	-121.637707 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:47878
DS_ID:16946
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction.6/11/2015 Same as last inspection.12/30/2014 Same as last inspection.5/20/2014 Same as last inspection.11/7/2013 Same as last inspection.5/13/2013 SBFCA project recommends removal.5/10/2013 Same as last inspection.11/5/2012 unable to determine if this crossing still is in use, signs of depression on waterward shoulder, pump located on LS (GW?) valve on waterward toe. No slide gate or concrete standpipe present; structure appears to have been modified--need permit issued for modifications.
FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 14.5 feet below the crown. Slide gate in concrete standpipe and pump on the landside (LS). [Additional Reference(s): DWR Levee Log, 2005]
FS Date: 5/16/2016 10:32:59 AM

LM Start	10.10	Rating **	M	Issue No.	96 (cont)
LM End	10.10	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_47878_65947.jpg



View of LS and levee slope. Pump located on LS toe--GW pump or part of structure.

Photo 2 of 3 : UCIP_SP_2017_47878_65952.jpg



View of WS and levee crown looking upstream at crossing.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	10.10	Rating **	M	Issue No.	96 (cont)	
LM End	10.10	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.420905 °	39.420905 °	
				-121.637707 °	-121.637707 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:47878 DS_ID:16946 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction.6/11/2015 Same as last inspection.12/30/2014 Same as last inspection.5/20/2014 Same as last inspection.11/7/2013 Same as last inspection.5/13/2013 SBFCA project recommends removal.5/10/2013 Same as last inspection.11/5/2012 unable to determine if this crossing still is in use, signs of depression on waterward shoulder, pump located on LS (GW?) valve on waterward toe. No slide gate or concrete standpipe present; structure appears to have been modified--need permit issued for modifications. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 14.5 feet below the crown. Slide gate in concrete standpipe and pump on the landside (LS). [Additional Reference(s): DWR Levee Log, 2005] FS Date: 5/16/2016 10:32:59 AM						

Photo 3 of 3 : UCIP_SP_2017_47878_65951.jpg



WS shoulder with a low point along filled with rocks and brick pieces with what appears to be crossing alignment.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	10.68	Rating **	M	Issue No.	97
LM End	10.68	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.426781 °	39.426781 °
				-121.642078 °	-121.642078 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:47991
DS_ID:16933
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 2239+66, will be removed as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/11/2015 Still unable to find anything on the LS. SBFCA project recommends removal.12/30/2014 Same as last inspection.5/20/2014 Same as last inspection.11/7/2013 Same as last inspection.5/13/2013 SBFCA project recommends removal.5/10/2013 Same as last inspection.11/5/2012 nothing found on LS-residential; no headwall found on LS--has it been buried? Need to investigate if crossing is here. This crossing was listed in the USACE Periodic Inspection as ID#
USACE_CESPK_MA07_2010_a_0314 no issues reported.
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 14.5 feet below the crown. Concrete headwall at both waterside (WS) and landside (LS) toes. Flap gate in 36-inch concrete standpipe on the berm. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 471+26)]
FS Date: 5/16/2016 10:33:00 AM

LM Start	10.68	Rating **	M	Issue No.	97 (cont)
LM End	10.68	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_47991_65953.jpg



View of LS--no signs of crossing or appurtances are present.

Photo 2 of 3 : UCIP_SP_2017_47991_65956.jpg



View of WS looking upstream at slope and concrete standpipe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	10.68	Rating **	M	Issue No.	97 (cont)
LM End	10.68	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.426781 °	39.426781 °
				-121.642078 °	-121.642078 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:47991
DS_ID:16933
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 2239+66, will be removed as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/11/2015 Still unable to find anything on the LS. SBFCA project recommends removal.12/30/2014 Same as last inspection.5/20/2014 Same as last inspection.11/7/2013 Same as last inspection.5/13/2013 SBFCA project recommends removal.5/10/2013 Same as last inspection.11/5/2012 nothing found on LS-residential; no headwall found on LS--has it been buried? Need to investigate if crossing is here. This crossing was listed in the USACE Periodic Inspection as ID#
USACE_CESPK_MA07_2010_a_0314 no issues reported.
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 14.5 feet below the crown. Concrete headwall at both waterside (WS) and landside (LS) toes. Flap gate in 36-inch concrete standpipe on the berm. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 471+26)]
FS Date: 5/16/2016 10:33:00 AM

Photo 3 of 3 : UCIP_SP_2017_47991_65955.jpg



View of concrete standpipe located on WS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Levee Inspection Report By Mile - Spring 2017

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	10.79	Rating **	M	Issue No.	98 (cont)
LM End	10.79	Issue Type +	En	Location *	LS

A gravel road leading towards a line of trees under a clear blue sky.

A photograph of a dirt road in a rural area. A white car is parked on the road, and a person is standing next to it. A large palm tree is on the right side of the road. The sky is overcast. The image is oriented horizontally but appears to be a vertical shot rotated 90 degrees clockwise. A timestamp in the bottom right corner reads "12/26/2012 10:14".

Overview of levee crown looking downstream at crossing.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	10.79	Rating **	M	Issue No.	98 (cont)	
LM End	10.79	Issue Type +	En	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.428380 °		39.428380 °
				-121.642228 °		-121.642228 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:47992 DS_ID:16944 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 2245+52, will be removed per the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/11/2015 Headwall still buried. SBFCA project recommends removal.12/30/2014 Same as last inspection.5/20/2014 Same as last inspection.11/7/2013 Same as last inspection.5/13/2013 SBFCA project recommends removal.5/10/2013 Same as last inspection.11/5/2012 crossing appears to be abandoned--unknown method of abandonment; headwall buried with a small section of headwall exposed. FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 17.5 feet below the crown. Concrete headwall at landside (LS) toe. Flap gate located on the waterside (WS) end covered with dirt. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 476+60)] FS Date: 5/16/2016 10:33:00 AM						

Photo 3 of 3 : UCIP_SP_2017_47992_65957.jpg



View of WS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	11.01	Rating **	M	Issue No.	99
LM End	11.01	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.430540 °	39.430540 °
				-121.645118 °	-121.645118 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:47993
DS_ID:16941
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 2256+71, will be removed as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/11/2015 Same as last inspection.12/30/2014 Same as last inspection.5/20/2014 Same as last inspection.11/7/2013 Same as last inspection.5/13/2013 SBFCA project recommends removal.5/10/2013 Top cover has fallen down inside standpipe and may prevent gate from fully closing. Wheel to operate gate still missing.11/5/2012 WS-missing top cover of the CMP riser; debris inside CMP riser; wheel handle missing from slide gate. Unable to determine condition of slide gate face. LS-crossing not visible. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0330 no issues reported. FIELD_STRUCT_DESC: 24-inch reinforced concrete encased corrugated metal irrigation pipe through the levee, 21 feet below the crown. Slide gate in 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 490+50)] FS Date: 5/16/2016 10:34:00 AM

LM Start	11.01	Rating **	M	Issue No.	99 (cont)
LM End	11.01	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_47993_65970.jpg



View of LS looking upstream at crossing.

Photo 2 of 3 : UCIP_SP_2017_47993_65969.jpg



View of WS looking upstream at crossing. CMP riser located on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	11.01	Rating **	M	Issue No.	99 (cont)
LM End	11.01	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.430540 °	39.430540 °
				-121.645118 °	-121.645118 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:47993
DS_ID:16941
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 2256+71, will be removed as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/11/2015 Same as last inspection.12/30/2014 Same as last inspection.5/20/2014 Same as last inspection.11/7/2013 Same as last inspection.5/13/2013 SBFCA project recommends removal.5/10/2013 Top cover has fallen down inside standpipe and may prevent gate from fully closing. Wheel to operate gate still missing.11/5/2012 WS-missing top cover of the CMP riser; debris inside CMP riser; wheel handle missing from slide gate. Unable to determine condition of slide gate face. LS-crossing not visible. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0330 no issues reported. FIELD_STRUCT_DESC: 24-inch reinforced concrete encased corrugated metal irrigation pipe through the levee, 21 feet below the crown. Slide gate in 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 490+50)] FS Date: 5/16/2016 10:34:00 AM

Photo 3 of 3 : UCIP_SP_2017_47993_65968.jpg



WS view of CMP with slide gate inside.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	11.08	Rating **	M	Issue No.	100
LM End	11.08	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.431546 °	39.431546 °
				-121.645474 °	-121.645474 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:47958
DS_ID:16939
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 2260+55, will be removed as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/11/2015 Both pipe ends are beeing overgrown by vegetation and are getting hard to inspect. Vegetation needs to be cleared away.12/30/2014 Same as last inspection.5/20/2014 Same as last inspection.11/7/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23.5/10/2013 Same as last inspection. Talking with farmer he said the pipe may be getting removed.11/5/2012 flash boards missing on LS. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0332 no issues reported.
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee. 18.9 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 494+50)]
FS Date: 5/16/2016 10:34:00 AM

LM Start	11.08	Rating **	M	Issue No.	100 (cont)
LM End	11.08	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_47958_65974.jpg



View of LS looking upstream at crossing.

Photo 2 of 3 : UCIP_SP_2017_47958_65973.jpg



View of WS looking upstream at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	11.08	Rating **	M	Issue No.	100 (cont)	
LM End	11.08	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.431546 °	39.431546 °	
				-121.645474 °	-121.645474 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:47958 DS_ID:16939 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 2260+55, will be removed as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/11/2015 Both pipe ends are beeing overgrown by vegetation and are getting hard to inspect. Vegetation needs to be cleared away.12/30/2014 Same as last inspection.5/20/2014 Same as last inspection.11/7/2013 Same as last inspection.5/13/2013 SBFCFA project recommends relacing in accordance with title 23.5/10/2013 Same as last inspection. Talking with farmer he said the pipe may be getting removed.11/5/2012 flash boards missing on LS. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0332 no issues reported. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee. 18.9 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 494+50)] FS Date: 5/16/2016 10:34:00 AM						

Photo 3 of 3 : UCIP_SP_2017_47958_65977.jpg



View of WS slope and outlet.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	11.12	Rating **	M	Issue No.	101
LM End	11.12	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.432143 °	39.432143 °
				-121.645516 °	-121.645516 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:47994
DS_ID:16938
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 2262+69, will be removed and replaced with a new 36-inch pipe as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/11/2015 Scour still present near the WS apron. 12/30/2014 Same as last inspection.5/20/2014 Same as last inspection.11/7/2013 Same as last inspection.5/10/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23.11/5/2012 burrow activity near headwall on LS; scour near concrete apron and below apron; This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0336 no issues reported. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 15.8 feet below the crown. Concrete headwall at both waterside (WS) and landside (LS) toes. Flap gate on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 496+20)]
FS Date: 5/16/2016 10:35:00 AM

LM Start	11.12	Rating **	M	Issue No.	101 (cont)
LM End	11.12	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_47994_65979.jpg



View of LS looking upstream at crossing.

Photo 2 of 3 : UCIP_SP_2017_47994_65978.jpg



View of WS looking upstream at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	11.12	Rating **	M	Issue No.	101 (cont)	
LM End	11.12	Issue Type +	Ma	Location *	LS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.432143 °	39.432143 °	
				-121.645516 °	-121.645516 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:47994 DS_ID:16938 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 2262+69, will be removed and replaced with a new 36-inch pipe as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/11/2015 Scour still present near the WS apron. 12/30/2014 Same as last inspection.5/20/2014 Same as last inspection.11/7/2013 Same as last inspection.5/10/2013 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23.11/5/2012 burrow activity near headwall on LS; scour near concrete apron and below apron; This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0336 no issues reported. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 15.8 feet below the crown. Concrete headwall at both waterside (WS) and landside (LS) toes. Flap gate on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 496+20)] FS Date: 5/16/2016 10:35:00 AM						

Photo 3 of 3 : UCIP_SP_2017_47994_65982.jpg



View of inlet located on LS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	11.23	Rating **	M	Issue No.	102
LM End	11.23	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.433674 °	39.433674 °
				-121.645591 °	-121.645591 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:47960
DS_ID:16937
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 2268+27, will be removed as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/11/2015 Abandoned crossing. SBFCA project recommends removal.12/30/2014 Same as last inspection.5/20/2014 Same as last inspection.11/7/2013 Same as last inspection.5/13/2013 SBFCA project recommends removal.5/10/2013 Same as last inspection.11/5/2012 Abandoned pipe-need to properly abandon structure; CMP riser cover missing on WS; WS pipe filled with concrete; LS crossing not visible.
FIELD_STRUCT_DESC: *ABANDONED* 24-inch reinforced concrete encased corrugated metal irrigation pipe through the levee, 19.5 feet below the crown. Concrete headwall at the landside (LS) toe. Slide gate in 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 502+20)]
FS Date: 5/16/2016 10:56:00 AM

LM Start	11.23	Rating **	M	Issue No.	102 (cont)
LM End	11.23	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_47960_65987.jpg



View of LS looking upstream at crossing.

Photo 2 of 3 : UCIP_SP_2017_47960_65985.jpg



View of WS looking upstream at crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	11.23	Rating **	M	Issue No.	102 (cont)
LM End	11.23	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.433674 °	39.433674 °
				-121.645591 °	-121.645591 °
DWR ID					

Photo 3 of 3 : UCIP_SP_2017_47960_65986.jpg



CMP riser located on WS shoulder.

Comment Code					
Inspector Comment					
FS_ID:47960 DS_ID:16937 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 2268+27, will be removed as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/11/2015 Abandoned crossing. SBFCA project recommends removal.12/30/2014 Same as last inspection.5/20/2014 Same as last inspection.11/7/2013 Same as last inspection.5/13/2013 SBFCA project recommends removal.5/10/2013 Same as last inspection.11/5/2012 Abandoned pipe-need to properly abandon structure; CMP riser cover missing on WS; WS pipe filled with concrete; LS crossing not visible. FIELD_STRUCT_DESC: *ABANDONED* 24-inch reinforced concrete encased corrugated metal irrigation pipe through the levee, 19.5 feet below the crown. Concrete headwall at the landside (LS) toe. Slide gate in 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 502+20)] FS Date: 5/16/2016 10:56:00 AM					

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	11.35	Rating **	M	Issue No.	103
LM End	11.35	Issue Type +	Ma	Location *	LS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		39.435497 °	39.435497 °	
			-121.645712 °	-121.645712 °	
DWR ID					

Comment Code

Inspector Comment

FS_ID:48009
DS_ID:16936
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 2274+86, will be removed as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/11/2015 LS inlet is still mostly buried with soil. SBFCA project recommends removal.12/30/2014 Same as last inspection.5/20/2014 Same as last inspection.5/13/2013 SBFCA project recommends removal.5/10/2013 Same as last inspection. LS inlet excavated but more than 50% still covered by soil.11/7/2013 Same as last inspection.11/5/2012 Non-fuctional crossing LS inlet buried; WS-debris in CMP riser, riser missing lid; This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0344 for pipes filled > 50 % with soil. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 16.2 feet below the crown. Concrete headwall at both waterside (WS) and landside (LS) toes. Flap gate on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 508+40)]
FS Date: 5/16/2016 10:57:00 AM

LM Start	11.35	Rating **	M	Issue No.	103 (cont)
LM End	11.35	Issue Type +	Ma	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_48009_65990.jpg



View of LS looking upstream at crossing.

Photo 2 of 3 : UCIP_SP_2017_48009_65994.jpg



View of WS looking upstream at crossing.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	11.35	Rating **	M	Issue No.	103 (cont)
LM End	11.35	Issue Type +	Ma	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.435497 °	39.435497 °
				-121.645712 °	-121.645712 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:48009
DS_ID:16936
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 2274+86, will be removed as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/11/2015 LS inlet is still mostly buried with soil. SBFCA project recommends removal.12/30/2014 Same as last inspection.5/20/2014 Same as last inspection.5/13/2013 SBFCA project recommends removal.5/10/2013 Same as last inspection. LS inlet excavated but more than 50% still covered by soil.11/7/2013 Same as last inspection.11/5/2012 Non-functional crossing LS inlet buried; WS-debris in CMP riser, riser missing lid; This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0344 for pipes filled > 50 % with soil. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 16.2 feet below the crown. Concrete headwall at both waterside (WS) and landside (LS) toes. Flap gate on the WS end. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 508+40)]
FS Date: 5/16/2016 10:57:00 AM

Photo 3 of 3 : UCIP_SP_2017_48009_65992.jpg



CMP riser located on WS slope.

LM Start	11.49	Rating **	M	Issue No.	40
LM End	11.49	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.437454 °	39.437454 °
				-121.646024 °	-121.646024 °
DWR ID	DWR MA0007 01 s 2016 40				

Comment Code

BU : Building

Inspector Comment

Photo 1 of 1 : SP_2017_MA0007_200_40_20170316_00003.jpg



View showing structure, waterside, looking downstream.

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
N/A : Not Applicable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	11.51	Rating **	M	Issue No.	104
LM End	11.51	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.437766 °	39.437766 °
				-121.646196 °	-121.646196 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:47997
DS_ID:16934
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 2283+95, will be removed and replaced as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/11/2015 same as last inspection.12/30/2014 Same as last inspection.11/7/2013 Same as last inspection. Metal cone structure on WS was removed and a flapgate was under it.5/20/2014 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23.5/10/2013 Same as last inspection. Burrow activity above WS riser.11/5/2012 unable to determine the condition of the slide gate inside riser--need to determine condition. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0355 no issues reported.
FIELD_STRUCT_DESC: 24-inch reinforced concrete encased corrugated metal irrigation pipe through the levee, 18.8 feet below the crown. Slide gate in 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 517+60)]
FS Date: 5/16/2016 3:33:31 PM

LM Start	11.51	Rating **	M	Issue No.	104 (cont)
LM End	11.51	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_47997_65996.jpg



View of LS looking upstream at crossing.

Photo 2 of 3 : UCIP_SP_2017_47997_65995.jpg



View of WS looking upstream at crossing.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Sutter Maintenance Yard Maintenance Area 0007

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River	Right	11.90	03/23/2017 03/23/2017	Sterling York

LM Start	11.51	Rating **	M	Issue No.	104 (cont)	
LM End	11.51	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.437766 °		39.437766 °
				-121.646196 °		-121.646196 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:47997 DS_ID:16934 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/16/2016 Feather River West Levee Improvement Project--Levee currently under construction. Crossing, referenced as STA 2283+95, will be removed and replaced as indicated in the project Plans for Construction of Feather River West Levee Project, Project Area A, Feather River West Levee Improvement Plans, Sta 1765+00 to 2368+26, Volume 3 of 5.6/11/2015 same as last inspection.12/30/2014 Same as last inspection.11/7/2013 Same as last inspection. Metal cone structure on WS was removed and a flapgate was under it.5/20/2014 Same as last inspection.5/13/2013 SBFCA project recommends relacing in accordance with title 23.5/10/2013 Same as last inspection. Burrow activity above WS riser.11/5/2012 unable to determine the condition of the slide gate inside riser--need to determine condition. This crossing was listed in the USACE Periodic Inspection as ID# USACE_CESPK_MA07_2010_a_0355 no issues reported. FIELD_STRUCT_DESC: 24-inch reinforced concrete encased corrugated metal irrigation pipe through the levee, 18.8 feet below the crown. Slide gate in 36-inch corrugated metal pipe (CMP) riser on the waterside (WS) slope. [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 152, March 1957 (Station 517+60)] FS Date: 5/16/2016 3:33:31 PM						

Photo 3 of 3 : UCIP_SP_2017_47997_66000.jpg



View of WS with unknown structure along pipe alignment and pump located over 100 feet from WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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